

hsmg1aa	1	MSRRAPGSRL	SSGGTNYRS	WNDWQPRDS	ASADPGNLKY	SSSRDRGGSS	50
JBCsmg1	-626	.....	.....	.....	.....	.....	-577
hsmg1aa	51	SYGLQPSNSA	VVSQRHDDT	RVHADIQND	KGGYSVNGGS	GENTYGRKSL	100
JBCsmg1	-576	.....	.....	.....	.....	.....	-527
hsmg1aa	101	GQELRVNNVT	SPEFTSVQHG	SRALATKDMR	KSQERSMSYS	DESRLSNLLR	150
JBCsmg1	-526	.....	.....	.....	.....	.....	-477
hsmg1aa	151	RITREDDRR	RLATVKQLKE	FIQQPENKLV	LVKQLDNILA	AVHDLVNESS	200
JBCsmg1	-476	.....	.....	.....	.....	.....	-427
hsmg1aa	201	KLLQELRQEG	ACCLGLLCAS	LSYEAEIFK	WIFSKFSSSA	KDEVKLLYLC	250
JBCsmg1	-426	.....	.....	.....	.....	.....	-377
hsmg1aa	251	ATYKALETVG	EKKAFSSVMQ	LVMTSLQSIL	ENVDTPELLC	KCVKCILLVA	300
JBCsmg1	-376	.....	.....	.....	.....	.....	-327
hsmg1aa	301	RCYPHFSTN	FRDTPDILVG	WHIDHTQKPS	LTQQVSGWLQ	SLEPFVADL	350
JBCsmg1	-326	.....	.....	.....	.....	.....	-277
hsmg1aa	351	AFSTLLGQF	LEDMEAYAED	LSHVASGESV	DEDVPPPSVS	LPKLAALLRV	400
JBCsmg1	-276	.....	.....	.....	.....	.....	-227
hsmg1aa	401	FSTVRSIGE	RFSPIRGPPI	TEAYVTDVLY	RVMRCVTAAN	QVFFSEAVLT	450
JBCsmg1	-226	.....	.....	.....	.....	.....	-177
hsmg1aa	451	AANECVGVLL	GSLDPSMTIH	CDMVITYGLD	QLENCQTCGT	DYIISVLNLL	500
JBCsmg1	-176	.....	.....	.....	.....	.....	-127
hsmg1aa	501	TLIVEQINTK	LPSSFVEKLF	IPSSKLLFLR	YHKEKEVVAV	AHAVYQAVLS	550
JBCsmg1	-126	.....	.....	.....	.....	.....	-77
hsmg1aa	551	LKNIPVLETA	YKLILGEMTC	ALNNLLHSLQ	LPEACSEIKH	EAFKNHVFNV	600
JBCsmg1	-76	.....	.....	.....	.....	.....	-27
hsmg1aa	601	DNAKFVVKFD	LSALTTIGNA	KNSLIGMWAL	SPTVFALLSK	NLMIVHSDLA	650
JBCsmg1	-26	.....	.....	.....MWAL	SPTVFALLSK	NLMIVHSDLA	24
hsmg1aa	651	VHFPAIQYAV	LYTLYSHCTR	HDHFISSSL	SASPSLFDGA	VISTVTTATK	700
JBCsmg1	25	VHFPAIQYAV	LYTLYSHCTR	HDHFISSSL	SSSPSLFDGA	VISTVTTATK	74
hsmg1aa	701	KHFSIILNLL	GILLKKDNLN	QDTRKLLMTW	ALEAAVLMRK	SETYAPLFSL	750
JBCsmg1	75	KHFSIILNLL	GILLKKDNLN	QDTRKLLMTW	ALEAAVLMKK	SETYAPLFSL	124
hsmg1aa	751	PSFHKFCKGL	LANTLVEDVN	ICLQACSSLH	ALSSSLPDDL	LQRCVDVCRV	800
JBCsmg1	125	PSFHKFCKGL	LANTLVEDVN	ICLQACSSLH	ALSSSLPDDL	LQRCVDVCRV	174
hsmg1aa	801	QLVHSGTRIR	QAFGKLLKSI	PLDVLVLSNN	HTEIQEISLA	LRSHMSKAPS	850
JBCsmg1	175	QLVHSGTRIR	QAFGKLLKSI	PLDVLVLSNN	HTEIQEISLA	LRSHMSKAPS	224
hsmg1aa	851	NTFHPQDFSD	VISFILYGNS	HRTGKDNWLE	RLFYSCQRLD	KRDQSTIPRN	900
JBCsmg1	225	NTFHPQDFSD	VISFILYGNS	HRTGKDNWLE	RLFYSCQRLD	KRDQSTIPRN	274
hsmg1aa	901	LLKTDVAVLWQ	WAIWEAAQFT	VLSKLRTPLG	RAQDTFQTIE	GIIRSLAHT	950
JBCsmg1	275	LLKTDVAVLWQ	WAIWEAAQFT	VLSKLRTPLG	RAQDTFQTIE	GIIRSLAHT	324
hsmg1aa	951	LNPQDQVSQW	TTADNDEGHG	NNQLRLVLLL	QYLENLEKLM	YNAYEGCANA	1000
JBCsmg1	325	LNPQDQVSQW	TTADNDEGHG	NNQLRLVLLL	QYLENLEKLM	YNAYEGCANA	374
hsmg1aa	1001	LTSPPKVIRT	FFYTNRQTCQ	DWLTRIRLSI	MRVGLLAGQP	AVTVRHGFDL	1050
JBCsmg1	375	LTSPPKVIRT	FFYTNRQTCQ	DWLTRIRLSI	MRVGLLAGQP	AVTVRHGFDL	424
hsmg1aa	1051	LTEMKTTSL	QGNELEVITM	MVVEALCELH	CPEAIQGIIV	WSSSIVGKNL	1100
JBCsmg1	425	LTEMKTTSL	QGNELEVITM	MVVEALCELH	CPEAIQGIIV	WSSSIVGKNL	474

hsmg1aa JBCsmg1	1101 475	1101 475	1101 475	1101 475	1101 475	1150 524
hsmg1aa JBCsmg1	1151 525	1160 525	1170 525	1180 525	1190 525	1200 574
hsmg1aa JBCsmg1	1201 575	1210 575	1220 575	1230 575	1240 575	1250 624
hsmg1aa JBCsmg1	1251 625	1260 625	1270 625	1280 625	1290 625	1300 674
hsmg1aa JBCsmg1	1301 675	1310 675	1320 675	1330 675	1340 675	1350 724
hsmg1aa JBCsmg1	1351 725	1360 725	1370 725	1380 725	1390 725	1400 774
hsmg1aa JBCsmg1	1401 775	1410 775	1420 775	1430 775	1440 775	1450 824
hsmg1aa JBCsmg1	1451 825	1460 825	1470 825	1480 825	1490 825	1500 874
hsmg1aa JBCsmg1	1501 875	1510 875	1520 875	1530 875	1540 875	1550 924
hsmg1aa JBCsmg1	1551 925	1560 925	1570 925	1580 925	1590 925	1600 974
hsmg1aa JBCsmg1	1601 975	1610 975	1620 975	1630 975	1640 975	1650 1024
hsmg1aa JBCsmg1	1651 1025	1660 1025	1670 1025	1680 1025	1690 1025	1700 1074
hsmg1aa JBCsmg1	1701 1075	1710 1075	1720 1075	1730 1075	1740 1075	1750 1124
hsmg1aa JBCsmg1	1751 1125	1760 1125	1770 1125	1780 1125	1790 1125	1800 1174
hsmg1aa JBCsmg1	1801 1175	1810 1175	1820 1175	1830 1175	1840 1175	1850 1224
hsmg1aa JBCsmg1	1851 1225	1860 1225	1870 1225	1880 1225	1890 1225	1900 1274
hsmg1aa JBCsmg1	1901 1275	1910 1275	1920 1275	1930 1275	1940 1275	1950 1324
hsmg1aa JBCsmg1	1951 1325	1960 1325	1970 1325	1980 1325	1990 1325	2000 1374
hsmg1aa JBCsmg1	2001 1375	2010 1375	2020 1375	2030 1375	2040 1375	2050 1424
hsmg1aa JBCsmg1	2051 1425	2060 1425	2070 1425	2080 1425	2090 1425	2100 1474
hsmg1aa JBCsmg1	2101 1475	2110 1475	2120 1475	2130 1475	2140 1475	2150 1524
hsmg1aa JBCsmg1	2151 1525	2160 1525	2170 1525	2180 1525	2190 1525	2200 1574
hsm1aa	2201	2210	2220	2230	2240	2250

Multiple Edit2

JBCsmg1	1575	IQWVDGATPL	FGLYKRWQQR	EALQAQKAQ	DSYQTPQNPG	IVPRPSELYY	1624
		2260	2270	2280	2290	2300	
hsmg1aa	2251	SKIGPALKTV	GLSLDVSRRD	WPLHVMKAVL	EELMEATPPN	LLAKELWSSC	2300
JBCsmg1	1625	SKIGPALKTV	GLSLDVSRRD	WPLHVMKAVL	EELMEATPPN	LLAKELWSSC	1674
		2310	2320	2330	2340	2350	
hsmg1aa	2301	TTPDEWWRVT	QSYARSTAVM	SMVGYIIGLG	DRHLDNVLID	MTTGEVVHID	2350
JBCsmg1	1675	TTPDEWWRVT	QSYARSTAVM	SMVGYIIGLG	DRHLDNVLID	MTTGEVVHID	1724
		2360	2370	2380	2390	2400	
hsmg1aa	2351	YNVCFEKGKS	LRVPEKVPFR	MTQNIETALG	VTGVEGVFRL	SCEQVLHIMR	2400
JBCsmg1	1725	YNVCFEKGKS	LRVPEKVPFR	MTQNIETALG	VTGVEGVFRL	SCEQVLHIMR	1774
		2410	2420	2430	2440	2450	
hsmg1aa	2401	RGRETLLTLL	EAFVYDPLVD	WTAGGEAGFA	GAVYGGGGQQ	AESKQSKREM	2450
JBCsmg1	1775	RGRETLLTLL	EAFVYDPLVD	WTAGGEAGFA	GAVYGGGGQQ	AESKQSKREM	1824
		2460	2470	2480	2490	2500	
hsmg1aa	2451	EREITRSLFS	SRVAEIKVNW	FKNRDEMLVV	LPKLDGSLDE	YLSLQEQLTD	2500
JBCsmg1	1825	EREITRSLFS	SRVAEIKVNW	FKNRDEMLVV	LPKLDGSLDE	YLSLQEQLTD	1874
		2510	2520	2530	2540	2550	
hsmg1aa	2501	VEKLQGKLL	EIEFLEGAEG	VDHPSHTLQH	RYSEHTQLQT	QQRVQEAIQ	2550
JBCsmg1	1875	VEKLQGKLL	EIEFLEGAEG	VDHPSHTLQH	RYSEHTQLQT	QQRVQEAIQ	1924
		2560	2570	2580	2590	2600	
hsmg1aa	2551	VKLNEFEQWI	THYQAAFNNL	EATQLASLLQ	EISTQMDLGP	PSYVPATAFL	2600
JBCsmg1	1925	VKLNEFEQWI	THYQAAFNNL	EATQLASLLQ	EISTQMDLGP	PSYVPATAFL	1974
		2610	2620	2630	2640	2650	
hsmg1aa	2601	QNAGQAHLIS	QCEQLEGEVG	ALLQQRSSVL	RGCLEQLHHY	ATVALQYPKA	2650
JBCsmg1	1975	QNAGQAHLIS	QCEQLEGEVG	ALLQQRSSVL	RGCLEQLHHY	ATVALQYPKA	2024
		2660	2670	2680	2690	2700	
hsmg1aa	2651	IFQKHRIEQW	KTWMEELICN	TTVERCQELY	RKYEMQYAPQ	PPPTVCQFIT	2700
JBCsmg1	2025	IFQKHRIEQW	KTWMEELICN	TTVERCQELY	RKYEMQYAPQ	PPPTVCQFIT	2074
		2710	2720	2730	2740	2750	
hsmg1aa	2701	ATEMTLQRYA	ADINSRLIRQ	VERLKQEAVT	VPVCEDQLKE	IERICVFLH	2750
JBCsmg1	2075	ATEMTLQRYA	ADINSRLIRQ	VERLKQEAVT	VPVCEDQLKE	IERICVFLH	2124
		2760	2770	2780	2790	2800	
hsmg1aa	2751	ENGEESLSL	ASVIISALCT	LTRRNLMMEG	AASSAGEQLV	DLTSRDGAWF	2800
JBCsmg1	2125	ENGEESLSL	ASVIISALCT	LTRRNLMMEG	AASSAGEQLV	DLTSRDGAWF	2174
		2810	2820	2830	2840	2850	
hsmg1aa	2801	LEELCSMSGN	VTCLVQLLKQ	CHLVPQDLDI	PNPMEASETV	HLANGVYTS	2850
JBCsmg1	2175	LEELCSMSGN	VTCLVQLLKQ	CHLVPQDLDI	PNPMEASETV	HLANGVYTS	2224
		2860	2870	2880	2890	2900	
hsmg1aa	2851	QELNSNFRQI	IFPEALRCLM	KGEYTLSEML	HELDGLIEQT	TDGVPLQTLV	2900
JBCsmg1	2225	QELNSNFRQI	IFPEALRCLM	KGEYTLSEML	HELDGLIEQT	TDGVPLQTLV	2274
		2910	2920	2930	2940	2950	
hsmg1aa	2901	ESLQAYLRNA	AMGLEEETHA	HYIDVARLLH	AQYGELIQPR	NGSVDETPKM	2950
JBCsmg1	2275	ESLQAYLRNA	AMGLEEETHA	HYIDVARLLH	AQYGELIQPR	NGSVDETPKM	2324
		2960	2970	2980	2990	3000	
hsmg1aa	2951	SAGQMLLVAF	DGMFAQVETA	FSLLEKLNK	MEIPIAWRKI	DIIREARSTQ	3000
JBCsmg1	2325	SAGQMLLVAF	DGMFAQVETA	FSLLEKLNK	MEIPIAWRKI	DIIREARSTQ	2374
		3010	3020	3030	3040	3050	
hsmg1aa	3001	VNFFDDDNHR	QVLEEIFFLK	RLQTIKEFFR	LCGTFSKTL	GSSSLEDQNT	3050
JBCsmg1	2375	VNFFDDDNHR	QVLEEIFFLK	RLQTIKEFFR	LCGTFSKTL	GSSSLEDQNT	2424
		3060	3070	3080	3090	3100	
hsmg1aa	3051	VNGPVQIVNV	KTLFRNSCFS	EDQMAKPIKA	FTADFVRQLL	IGLPNQALGL	3100
JBCsmg1	2425	VNGPVQIVNV	KTLFRNSCFS	EDQMAKPIKA	FTADFVRQLL	IGLPNQALGL	2474
		3110	3120	3130	3140	3150	
hsmg1aa	3101	TLCFSFISALG	VDIAAQVEAK	DFGAESKVS	DDLCKAVEH	NIQIGKFSQL	3150
JBCsmg1	2475	TLCFSFISALG	VDIAAQVEAK	DFGAESKVS	DDLCKAVEH	NIQIGKFSQL	2524
		3160	3170	3180	3190	3200	
hsmg1aa	3151	VMNRATVLAS	SYDTAWKKHD	LVRRLTSIS	SCKTSLQRVQ	LHIAMFQWQH	3200
JBCsmg1	2525	VMNRATVLAS	SYDTAWKKHD	LVRRLTSIS	SCKTSLQRVQ	LHIAMFQWQH	2574
		3210	3220	3230	3240	3250	
hsmg1aa	3201	EDLLINRPQA	MSVTPPPRSA	ILTSMKKKLH	TLSQIETSIA	TVQEKLAALE	3250
JBCsmg1	2575	EDLLINRPQA	MSVTPPPRSA	ILTSMKKKLH	TLSQIETSIA	TVQEKLAALE	2624
		3260	3270	3280	3290	3300	
hsmg1aa	3251	SSIEQRLKWA	GGANPALAPV	LQDFEATIAE	RRNLVLKESQ	RASQVTFLCS	3300
JBCsmg1	2625	SSIEQRLKWA	GGANPALAPV	LQDFEATIAE	RRNLVLKESQ	RASQVTFLCS	2674

	3360	3370	3380	3390	3400	
hsmg1aa	3351 LQRVDTGLEH	PIGSSEWLLS	AHKQLTQDMS	TQRAIQTEKE	QQIETVCETI	3400
JBCsmg1	2725 LQRVDTGLEH	PIGSSEWLLS	AHKQLTQDMS	TQRAIQTEKE	QQIETVCETI	2774
	3410	3420	3430	3440	3450	
hsmg1aa	3401 QNLVDNIKT	LTGHNRLGD	VKHLLKAMAK	DEEAAALADGE	DVPYENSVRQ	3450
JBCsmg1	2775 QNLVDNIKT	LTGHNRLGD	VKHLLKAMAK	DEEAAALADGE	DVPYENSVRQ	2824
	3460	3470	3480	3490	3500	
hsmg1aa	3451 FLGEYKSWQD	NIQTVLFTLV	QAMGQVRSQE	HVEMLQEITP	TLKELKTQSQ	3500
JBCsmg1	2825 FLGEYKSWQD	NIQTVLFTLV	QAMGQVRSQE	HVEMLQEITP	TLKELKTQSQ	2874
	3510	3520	3530	3540	3550	
hsmg1aa	3501 SIYNNLVSFA	SPLVTDATNE	CSSPTSSATY	QPSFAAAVRS	NTGQKTQPDV	3550
JBCsmg1	2875 SIYNNLVSFA	SPLVTDATNE	CSSPTSSATY	QPSFAAAVRS	NTGQKTQPDV	2924
	3560	3570	3580	3590	3600	
hsmg1aa	3551 MSQNARKLIQ	KNLATSADTP	PSTVPGTGKS	VACSPKKAVR	DPKTGKAVQE	3600
JBCsmg1	2925 MSQNARKLIQ	KNLATSADTP	PSTVPGTGKS	VACSPKKAVR	DPKTGKAVQE	2974
	3610	3620	3630	3640	3650	
hsmg1aa	3601 RNSYAVSVWK	RVKAKLEGRD	VDPNRRMSVA	EQVDYVIKEA	TNLDNLAQLY	3650
JBCsmg1	2975 RNSYAVSVWK	RVKAKLEGRD	VDPNRRMSVA	EQVDYVIKEA	TNLDNLAQLY	3024
	3660	3670	3680	3690	3700	
hsmg1aa	3651 EGWTAWV...	.....	.....	.....	.....	3700
JBCsmg1	3025 EGWTAWV...	.....	.....	.....	.....	3074